

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Kulesz-Martin, Molly F.
(ii) TITLE OF INVENTION: p53as PROTEIN AND ANTIBODY THEREFOR
(iii) NUMBER OF SEQUENCES: 5
(iv) CORRESPONDENCE ADDRESS:
 (A) ADDRESSEE: Dunn & Simpson, P.C.
 (B) STREET: P.O. Box 96
 (C) CITY: Newfane
 (D) STATE: New York
 (E) COUNTRY: U.S.A.
 (F) ZIP: 14108
(v) COMPUTER READABLE FORM:
 (A) MEDIUM TYPE: Diskette - 3.50 inch, 1.44 Mb storage
 (B) COMPUTER: Victor 300 SX/25 (IBM PC Compatible)
 (C) OPERATING SYSTEM: MS-DOS Version 5.0
 (D) SOFTWARE: Wordstar Professional Release 4
(vi) CURRENT APPLICATION DATA:
 (A) APPLICATION NUMBER: 08/100,496
 (B) FILING DATE: 2-Aug-1993
 (C) CLASSIFICATION: 530
(vii) PRIOR APPLICATION DATA:
 (A) APPLICATION NUMBER:
 (B) FILING DATE:
(viii) ATTORNEY/AGENT INFORMATION:
 (A) NAME: Dunn, Michael L.
 (B) REGISTRATION NUMBER: 25,330
 (C) REFERENCE/DOCKET NUMBER: RPP:135 US
(ix) TELECOMMUNICATION INFORMATION:
 (A) TELEPHONE (716) 433-1661
 (B) TELEFAX: (716) 433-1665

(2) INFORMATION FOR SEQ ID NO 1:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 17
 (B) TYPE: amino acids
 (C) STRANDEDNESS: n/a
 (D) TOPOLOGY: n/a
(ii) MOLECULE TYPE: peptide
(iii) HYPOTHETICAL: no
(iv) ANTI-SENSE: no
(v) FRAGMENT TYPE: n/a
(vi) ORIGINAL SOURCE:
 (A) ORGANISM: mouse
 (B) STRAIN: n/a
 (C) INDIVIDUAL ISOLATE: n/a
 (D) DEVELOPMENTAL STAGE: n/a
 (E) HAPLOTYPE: n/a
 (F) TISSUE TYPE: n/a
 (G) CELL TYPE: n/a
 (H) CELL LINE: n/a
 (I) ORGANELLE: n/a
(vii) IMMEDIATE SOURCE: sequenced from cDNA clone from mouse
 epidermal cell RNA, Genbank Accession #M13874
 (A) LIBRARY: plasmid p6.3
 (B) CLONE:
(viii) POSITION IN GENOME:
 (A) CHROMOSOME/SEGMENT: 11
 (B) MAP POSITION: p53 gene
 (C) UNITS:
(ix) FEATURE: n/a

- (A) NAME/KEY:
- (B) LOCATION:
- (C) IDENTIFICATION METHOD:
- (D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS: Kulesz-Martin et al.
- (B) TITLE: Endogenous p53 Protein Generated From Wild Type Alternatively Spliced P53 RNA in Mouse
- (C) JOURNAL: Mol. Cell. Biol.
- (D) VOLUME: 14
- (E) ISSUE: 3
- (F) PAGES: 1698-1708
- (G) DATE: March, 1994
- (A) AUTHORS: Han, K.A. and Kulesz-Martin, M.F.
- (B) TITLE: Alternatively Spliced p53 RNA in Transformed and Normal Cells of Different Tissue Types
- (C) JOURNAL: Nucleic Acids Res.
- (D) VOLUME: 20
- (E) ISSUE: 8
- (F) PAGES: 1979-1981
- (G) DATE: 1992
- (A) AUTHORS: Arai, N. et al.
- (B) TITLE: Immunologically Distinct p53 Molecules Generated by Alternative Splicing
- (C) JOURNAL: Mol. and Cell. Biol.
- (D) VOLUME: 6
- (E) ISSUE:
- (F) PAGES: 3232-3239
- (G) DATE: 1986
- (H) DOCUMENT NUMBER:
- (I) FILING DATE:
- (J) PUBLICATION DATE:
- (K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1

Leu Gln Pro Arg Ala Phe Gln Ala Leu Ile Lys Glu Glu Ser Pro Asn
1 5 10 15

Cys

(3) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 33
- (B) TYPE: Nucleic Acids
- (C) STRANDEDNESS: Unknown
- (D) TOPOLOGY: Unknown

(ii) MOLECULE TYPE: Oligonucleotide

(iii) HYPOTHETICAL:

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: Human
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

(vii) IMMEDIATE SOURCE: Genbank Accession #X54156, Locus HUM P53G

- (A) LIBRARY:
(B) CLONE
(viii) POSITION IN GENOME:
(A) CHROMOSOME/SEGMENT: 17
(B) MAP POSITION: p53 gene 17593-17613
(C) UNITS:
(ix) FEATURE:
(A) NAME/KEY:
(B) LOCATION:
(C) IDENTIFICATION METHOD:
(D) OTHER INFORMATION:
(x) PUBLICATION INFORMATION:

- (A) AUTHORS:
(B) TITLE:
(C) JOURNAL:
(D) VOLUME:
(E) ISSUE:
(F) PAGES:
(G) DATE:
(H) DOCUMENT NUMBER:
(I) FILING DATE:
(J) PUBLICATION DATE:
(K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2

ATCGAAGCTT GAGATGTTCC GAGAGAGCTG AAT 33

(4) INFORMATION FOR SEQ ID NO: 3:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 31
(B) TYPE: Nucleic acids
(C) STRANDEDNESS: unknown
(D) TOPOLOGY: unknown
(ii) MOLECULE TYPE: oligonucleotide
(iii) HYPOTHETICAL:
(iv) ANTI-SENSE:
(v) FRAGMENT TYPE:
(vi) ORIGINAL SOURCE:

- (A) ORGANISM: Human
(B) STRAIN:
(C) INDIVIDUAL ISOLATE:
(D) DEVELOPMENTAL STAGE:
(E) HAPLOTYPE:
(F) TISSUE TYPE:
(G) CELL TYPE:
(H) CELL LINE:
(I) ORGANELLE:

(vii) IMMEDIATE SOURCE: Genbank Accession #54156, Locus HUMP53G

- (A) LIBRARY:
(B) CLONE
(viii) POSITION IN GENOME:
(A) CHROMOSOME/SEGMENT: 17
(B) MAP POSITION: p53 gene 18774-18794
(C) UNITS:

- (ix) FEATURE:
(A) NAME/KEY:
(B) LOCATION:
(C) IDENTIFICATION METHOD:
(D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS:
- (B) TITLE:
- (C) JOURNAL:
- (D) VOLUME:
- (E) ISSUE:
- (F) PAGES:
- (G) DATE:
- (H) DOCUMENT NUMBER:
- (I) FILING DATE:
- (J) PUBLICATION DATE:
- (K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3

ATCGTCTAGA GCTTCTGACG CACACCTATT G 31

(5) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20
- (B) TYPE: Amino Acids
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: Peptide

(iii) HYPOTHETICAL: deduced from intron 10 sequences p53 gene

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: Human
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: deduced translation from nucleotides in Genbank nucleic acid database accession #54156, Locus HSP53G

(B) CLONE:

(viii) POSITION IN GENOME:

- (A) CHROMOSOME SEGMENT: 17
- (B) MAP POSITION: p53 gene, at 18530 to 18589
- (C) UNITS:

(ix) FEATURE: n/a

- (A) NAME/KEY:
- (B) LOCATION:
- (C) IDENTIFICATION METHOD:
- (D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS:
- (B) TITLE:
- (C) JOURNAL:
- (D) VOLUME:
- (E) ISSUE:
- (F) PAGES:
- (G) DATE:
- (H) DOCUMENT NUMBER:
- (I) FILING DATE:
- (J) PUBLICATION DATE:

(K) RELEVANT RESIDUES IN SEQ ID NO.:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4

Arg Glu Lys Gly His Arg Pro Ser His Ser Cys Asp Val Ile Ser Pro
1 5 10 15

Pro Cys Phe Cys
20

(6) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16
- (B) TYPE: Amino Acids
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL:

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE: mouse glucocorticoid receptor sequence

- (A) ORGANISM:
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY:
- (B) CLONE

(viii) POSITION IN GENOME:

- (A) CHROMOSOME/SEGMENT:
- (B) MAP POSITION:
- (C) UNITS:

(ix) FEATURE:

- (A) NAME/KEY:
- (B) LOCATION:
- (C) IDENTIFICATION METHOD:
- (D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS:
- (B) TITLE:
- (C) JOURNAL:
- (D) VOLUME:
- (E) ISSUE:
- (F) PAGES:
- (G) DATE:
- (H) DOCUMENT NUMBER:
- (I) FILING DATE:
- (J) PUBLICATION DATE:
- (K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5

Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile Arg Arg Lys Asn Cys Asp
1 5 10 15